ELSEVIER

Physica C 233 (1994) 437–440

PHYSICA C

Author index to volume 233

Abrikosov, A.A., On the isotope effect in the E-L model of high-T_c layered cuprates **233**, 102
Adachi, S., T. Sugano, A. Fukuoka, N. Seiji, M. Itoh, P. Laffez and H. Yamauchi, A simple route to single-phase $YBa_2Cu_4O_8$ at ambient pressure **233**, 149
Adachi, S., see P. Laffez **233**, 373
Agrawal, B.K. and S. Agrawal, Electronic structure and the van Hove singularity scenario in high-T_c $HgBa_2CuO_{4+\delta}$ superconductor. Pressure effects **233**, 8
Agrawal, S., see B.K. Agrawal **233**, 8
Aldinger, F., see P. Kizler **233**, 415
Araki, H., N. Yamasaki, A.A. Zakhidov and K. Yoshino, Evolution of superconductivity in Ca doped C_{60} prepared from azide. Low-field microwave absorption and ESR **233**, 242
Aselage, T.L., Occurrence of free CuO in $YBa_2Cu_3O_{6+\delta}$ and its effect on melting and solidification **233**, 292
Awaji, S., see Y. Muraoka **233**, 209
Azema, A., see A. Mammou **233**, 349

Barber, Z.H., see C.W. Schneider **233**, 77
Barnes, F., see A. Naziripour **233**, 387
Bayless, W.R., see J.A. Schlueter **233**, 379
Becker, T., see H. Theuss **233**, 179
Bertinotti, A., see D. Colson **233**, 231
Bewley, R., see R. Cywinski **233**, 273
Biggers, R.R., see M.G. Norton **233**, 321
Bokhimi, and A. Morales, Quantitative analysis of the ZFC magnetization in low magnetic fields in the $YBa_2Cu_3O_{7-x}$ system **233**, 55
Brau, A., see A. Mammou **233**, 349
Brown, J.L., see M.G. Norton **233**, 321
Bugoslavsky, Yu.V., A.L. Ivanov, A.A. Minakov and S.I. Vasyurin, Fishtails and anisotropy in underdoped LaSrCuO single crystals **233**, 67

Campbell, A.M., see M. Ciszek **233**, 203
Carlson, K.D., see J.A. Schlueter **233**, 379
Chen, H., see J.Q. Li **233**, 40
Choi, S.S., see W.N. Kang **233**, 402
Ciszek, M., A.M. Campbell and B.A. Glowacki, The effect of potential contact position on AC loss measurements in superconducting BSCCO tape **233**, 203
Cleckler, J., see A. Naziripour **233**, 387
Clerc, St., see K. Kwasnitza **233**, 423
Coffey, M.W., Transverse thermomagnetic effects in the mixed state of Josephson-coupled superconducting systems **233**, 409
Colson, D., A. Bertinotti, J. Hammann, J.F. Marucco and A. Pinatel, Synthesis and characterization of superconducting single crystals of $HgBa_2Ca_2Cu_3O_{8+\delta}$ **233**, 231
Cubitt, R., see R. Cywinski **233**, 273
Cywinski, R., see J.L. Garcia-Munoz **233**, 85
Cywinski, R., Z.P. Han, R. Bewley, R. Cubitt, M.T. Wylie, E.M. Forgan, S.L. Lee, M. Warden and S.H. Kilcoyne, A μSR determination of the penetration depth in superconducting YNi_2B_2C **233**, 273

De Nivelle, M.J.M.E., G.J. Gerritsma and H. Rogalla, Coherent vortex motion in $YBa_2Cu_3O_{7-\delta}$ nanobridges prepared by a substrate-etching technique **233**, 185
Dodrill, B., see J.A. Schlueter **233**, 379
Dong, C., see X.J. Zhou **233**, 311
Doyle, R.A., see T.B. Doyle **233**, 253
Doyle, T.B., R.A. Doyle, D. Minkov, V.N. Stepankin and U.P. Yakovets, A theoretically based critical-state model for granular high-T_c superconductors applied to YBCO **233**, 253
Drulis, H., see A.D. Shengelaya **233**, 124
Dudek, J.D., see J.A. Schlueter **233**, 379

Enomoto, Y. and S. Maekawa, Magnetic flux line in a disordered medium **233**, 195
Evers, W., see P. Prieto **233**, 361
Evetts, J.E., see C.W. Schneider **233**, 77

Farges, J.-P., see A. Mammou **233**, 349
Felner, I., see R. Prozorov **233**, 367
Fendrich, J.A., see J.A. Schlueter **233**, 379
Forgan, E.M., see R. Cywinski **233**, 273
Frangi, F., E. Varesi, G. Ripamonti and S. Zannella, Enhanced levitation properties in melt-textured YBCO samples grown without temperature gradient **233**, 301
Fukuoka, A., see S. Adachi **233**, 149

Gao, X.-H., see X.-G. Wang **233**, 327
Garcia-Munoz, J.L., R. Cywinski, S.H. Kilcoyne and X. Obradors, Magnetic order and disorder in $YBa_2(Cu_{1-x}Fe_x)_3O_{6+y}$ **233**, 85
Geiser, U., see J.A. Schlueter **233**, 379
Gerritsma, G.J., see M.J.M.E. De Nivelle **233**, 185

Gilabert, A., see A. Mammou **233**, 349
Glowacki, B.A., see M. Ciszek **233**, 203
Gortenmulder, T.J., see S. Süllow **233**, 138
Gray, K.E., see W.N. Kang **233**, 402
Gugan, D., A heuristic, general, field-dependent critical-current model for the magnetic properties of type-II superconductors **233**, 165

Hahakura, S., J. Shimoyama, O. Shiino and K. Kishio, New barium-free mercury-based high-T_c superconductors (Hg, Mo)Sr_2(Ca, Y)$_{n-1}Cu_nO_y$ and $HgSr_2$(Ca, Y)$_{n-1}$(Cu, Re)$_nO_y$ ($n=1$ and 2) **233**, 1
Hahn, T.S., see W.N. Kang **233**, 402
Hammann, J., see D. Colson **233**, 231
Han, Z.P., see R. Cywinski **233**, 273
Hendrikx, R.W.A., see S. Süllow **233**, 138
Hermann, A.M., see A. Naziripour **233**, 387
Higuchi, T., see I. Monot **233**, 155
Hiraga, K., see Y. Muraoka **233**, 247
Hojczyc, R., see P. Prieto **233**, 361
Hu, P.-Y., see X.-G. Wang **233**, 327
Huang, Z.-M., see X.-G. Wang **233**, 327
Hur, N.H., see H.-G. Lee **233**, 35

Ido, M., see N. Momono **233**, 395
Iimura, H., see T. Nojima **233**, 107
Inoue, A., H. Mukaida, M. Nakao and R. Yoshizaki, Study on the cleaved surface structure of $Bi_2Sr_2CaCu_2O_{8+\delta}$ by scanning tunneling microscopy **233**, 49
Iqbal, Z., see F.J. Owens **233**, 30
Isawa, K., see R. Puźniak **233**, 21
Itoh, M., see S. Adachi **233**, 149
Ivanov, A.L., see Yu.V. Bugoslavsky **233**, 67

Jia, C.L., see P. Prieto **233**, 361
Jia, S.L., see X.J. Zhou **233**, 311
Jin, C.-Q., see P. Laffez **233**, 373

Kang, W.N., D.H. Kim, J.H. Park, T.S. Hahn, S.S. Choi and K.E. Gray, Origin of $1/f$ noise peaks of $YBa_2Cu_3O_x$ films in a magnetic field **233**, 402
Kawashima, T., Y. Matsui and E. Takayama-Muromachi, A new oxycarbonate superconductor $(Cu_{0.5}C_{0.5})_2Ba_3Ca_2Cu_3O_{11}$ ($T_c=91$ K) prepared at high pressure **233**, 143
Keane, P.M., see J.A. Schlueter **233**, 379
Kikuchi, M., see Y. Muraoka **233**, 209, 247
Kilcoyne, S.H., see J.L. Garcia-Munoz **233**, 85
Kilcoyne, S.H., see R. Cywinski **233**, 273
Kim, D.H., see W.N. Kang **233**, 402
Kishio, K., see S. Hahakura **233**, 1
Kizler, P., H.L. Su, P. Majewski and F. Aldinger, EXAFS study of Bi–O bond lengths in "$Bi_2SR_2CaCu_2O_8$" high-T_c **233**, 415
Kobayashi, N., see Y. Muraoka **233**, 209, 247
Komosa, A.S., see J.A. Schlueter **233**, 379
Kronmüller, H., see H. Theuss **233**, 179
Kuwasawa, Y., see T. Nojima **233**, 107
Kwasnitza, K. and St. Clerc, AC losses of superconducting high-T_c multifilament Bi-2223/Ag sheathed tapes in perpendicular magnetic fields **233**, 423
Kwok, W.-K., see J.A. Schlueter **233**, 379

Laffez, P., see S. Adachi **233**, 149
Laffez, P., X.-J. Wu, C.-Q. Jin, S. Adachi, H. Yamauchi and N. Môri, A new high-pressure form of $BaCuO_{2+x}$ **233**, 373
Lanteigne, J., see R. Schulz **233**, 113
Lee, H.-G., H.-S. Shin, I.-S. Yang, J.-J. Yu and N.H. Hur, Raman mode assignments of $HgBa_2CuO_{4+\delta}$ crystallites **233**, 35
Lee, S.L., see R. Cywinski **233**, 273
Li, J.Q., H. Chen and Z.X. Zhao, Modulated structure in $YSr_2Cu_{2.5}B_{0.5}O_y$ oxide **233**, 40
Li, J.W., see X.J. Zhou **233**, 311
Liang, W.Y., see N.-H. Peng **233**, 61
Lin, S.-C., J.T. Richardson and D. Luss, $YBa_2Cu_3O_{6+x}$ synthesis using vertical self-propagating high-temperature synthesis **233**, 281
Liu, W., see X.J. Zhou **233**, 311
Luss, D., see S.-C. Lin **233**, 281

Maartense, I., see M.G. Norton **233**, 321
Maekawa, S., see Y. Enomoto **233**, 195
Majewski, P., see P. Kizler **233**, 415
Mammou, A., A. Brau, A. Azema, J.-P. Farges and A. Gilabert, Percolation in $YBa_2Cu_3O_{7-\delta}$/CuO mixtures **233**, 349
Mao, S.N., see C.W. Schneider **233**, 77
Marucco, J.F., see D. Colson **233**, 231
Matsui, Y., see T. Kawashima **233**, 143
Menovsky, A.A., see S. Süllow **233**, 138
Minakov, A.A., see Yu.V. Bugoslavsky **233**, 67
Minkov, D., see T.B. Doyle **233**, 253
Momono, N., M. Ido, T. Nakano, M. Oda, Y. Okajima and K. Yamaya, Low-temperature electronic specific heat of $La_{2-x}Sr_xCuO_4$ and $La_{2-x}Sr_xCu_{1-y}Zn_yO_4$. Evidence for a d wave superconductor **233**, 395
Monot, I., T. Higuchi, N. Sakai and M. Murakami, Effect of $BaSnO_3$ additions in MPMG-processed YBCO **233**, 155
Morales, A., see Bokhimi **233**, 55
Môri, N., see P. Laffez **233**, 373
Moser, E.K., see M.G. Norton **233**, 321
Mukaida, H., see A. Inoue **233**, 49
Murakami, M., see I. Monot **233**, 155
Muraoka, Y., H. Nameki, M. Kikuchi, S. Awaji, N. Kobayashi and Y. Syono, Structure and superconductivity of iodine-intercalated $Bi_2Sr_4Cu_2CO_3O_z$ **233**, 209
Muraoka, Y., M. Kikuchi, N. Ohnishi, N. Kobayashi, K. Hiraga and Y. Syono, Synthesis and superconductivity of 'Hg_2Cl_2'-intercalated $Bi_2Sr_2Ca_{n-1}Cu_nO_z$ ($n=1$–3) compounds **233**, 247
Mydosh, J.A., see S. Süllow **233**, 138

Nakano, T., see N. Momono **233**, 395
Nakao, M., see A. Inoue **233**, 49

Nameki, H., see Y. Muraoka **233**, 209
Naumann, D., see J.A. Schlueter **233**, 379
Naziripour, A., A. Outzourhit, J.U. Trefny, Z.-H. Zhang, F. Barnes, J. Cleckler and A.M. Hermann, Fabrication of $Ba_{1-x}Sr_xTiO_3$ tunable capacitors with $Tl_2Ba_2Ca_1Cu_2O_x$ electrodes **233**, 387
Neumeier, J.J., Analysis of the superconducting transition temperature's pressure dependence for $YBa_2Cu_3O_{7-\delta}$ within a BCS framework **233**, 354
Nieuwenhuys, G.J., see S. Süllow **233**, 138
Nojima, T., H. Iimura, T. Yamaguchi and Y. Kuwasawa, Angular dependence of glass scaling behavior in current–voltage characteristics of CVD $YBa_2Cu_3O_{7-\delta}$ films **233**, 107
Norton, M.G., R.R. Biggers, I. Maartense, E.K. Moser and J.L. Brown, Surface outgrowths on laser-deposited $YBa_2Cu_3O_7$ thin films **233**, 321

Obradors, X., see J.L. Garcia-Munoz **233**, 85
Oda, M., see N. Momono **233**, 395
Ohnishi, N., see Y. Muraoka **233**, 247
Okajima, Y., see N. Momono **233**, 395
Olejniczak, J., see A.D. Shengelaya **233**, 124
Outzourhit, A., see A. Naziripour **233**, 387
Owens, F.J., A.G. Rinzler and Z. Iqbal, Magneto-microwave absorption study of flux depinning in $Hg_{0.7}Pb_{0.3}Ba_2Ca_2Cu_3O_8$ superconductor **233**, 30

Park, J.H., see W.N. Kang **233**, 402
Peng, N.-H. and W.Y. Liang, On the distinct T_c decrease behaviours in Fe, Ni and Zn doped $YBa_2Cu_3O_{7-\delta}$ **233**, 61
Pickett, W.E., see D.J. Singh **233**, 237
Pinatel, A., see D. Colson **233**, 231
Poppe, U., see P. Prieto **233**, 361
Prieto, P., U. Poppe, W. Evers, R. Hojczyc, C.L. Jia, K. Urban, K. Schmidt and H. Soltner, In situ production of epitaxial $Ba_{1-x}K_xBiO_3$ thin films by high-oxygen-pressure RF sputtering **233**, 361
Prozorov, R., E.R. Yacoby, I. Felner and Y. Yeshurun, Magnetic properties of YNi_2B_2C superconductor **233**, 367
Puźniak, R., K. Isawa, R. Usami and H. Yamauchi, Superconducting-state thermodynamic parameters of $HgBa_2Ca_{n-1}Cu_nO_y$ ($n=1$, 2, and 3) **233**, 21

Raspopina, E.V., see N.V. Vuong **233**, 263
Richardson, J.T., see S.-C. Lin **233**, 281
Rinzler, A.G., see F.J. Owens **233**, 30
Ripamonti, G., see F. Frangi **233**, 301
Rogalla, H., see M.J.M.E. De Nivelle **233**, 185
Roth, R.S., see W. Wong-Ng **233**, 97
Roy, T., see J.A. Schlueter **233**, 379

Sakai, N., see I. Monot **233**, 155
Schenck, A., see S. Süllow **233**, 138
Schirber, J.E., see J.A. Schlueter **233**, 379
Schlueter, J.A., K.D. Carlson, U. Geiser, H.H. Wang, J.M. Williams, W.-K. Kwok, J.A. Fendrich, U. Welp, P.M. Keane, J.D. Dudek, A.S. Komosa, D. Naumann, T. Roy, J.E. Schirber, W.R. Bayless and B. Dodrill, Superconductivity up to 11.1 K in three solvated salts composed of $[Ag(CF_3)_4]^-$ and the organic electron-donor molecule bis(ethylenedithio)tetrathiafulvalene (ET) **233**, 379
Schmidt, K., see P. Prieto **233**, 361
Schneider, C.W., Z.H. Barber, J.E. Evetts, S.N. Mao, X.X. Xi and T. Venkatesan, Penetration depth measurements for $Nd_{1.85}Ce_{0.15}CuO_4$ and NbCN thin films using a kinetic inductance technique **233**, 77
Schulz, R., M. Simoneau and J. Lanteigne, The role of internal stresses in the structural stability of metastable phases in the $Y_1Ba_2Cu_3O_{7-x}$ system **233**, 113
Scugar, V.V., see N.V. Vuong **233**, 263
Seiji, N., see S. Adachi **233**, 149
Shengelaya, A.D., J. Olejniczak and H. Drulis, Density of states and magnetic correlations in the $La_{2-x}Sr_xCuO_4$ system studied by EPR of Fe spin probes **233**, 124
Shiino, O., see S. Hahakura **233**, 1
Shimoyama, J., see S. Hahakura **233**, 1
Shin, H.-S., see H.-G. Lee **233**, 35
Simoneau, M., see R. Schulz **233**, 113
Singh, D.J. and W.E. Pickett, Pressure-dependent electronic structure and doping in $HgBa_2Ca_2Cu_3O_{8+\delta}$ **233**, 237
Soltner, H., see P. Prieto **233**, 361
Stepankin, V.N., see T.B. Doyle **233**, 253
Stepanova, I.A., see N.V. Vuong **233**, 263
Su, H.L., see P. Kizler **233**, 415
Sugano, T., see S. Adachi **233**, 149
Süllow, S., R.W.A. Hendrikx, T.J. Gortenmulder, G.J. Nieuwenhuys, A.A. Menovsky, A. Schenck and J.A. Mydosh, Evidence for secondary-phase superconductivity in $YNi_4BC_{0.2}$ **233**, 138
Syono, Y., see Y. Muraoka **233**, 209, 247

Takayama-Muromachi, E., see T. Kawashima **233**, 143
Tarn, K.-L., see N.-L. Wu **233**, 131
Theuss, H., T. Becker and H. Kronmüller, Influence of geometry on angle-dependent critical current density measurements in thin-film superconductors **233**, 179
Trefny, J.U., see A. Naziripour **233**, 387

Urban, K., see P. Prieto **233**, 361
Usami, R., see R. Puźniak **233**, 21

Varesi, E., see F. Frangi **233**, 301
Vasyurin, S.I., see Yu.V. Bugoslavsky **233**, 67
Venkatesan, T., see C.W. Schneider **233**, 77
Vladimirova, N.M., see N.V. Vuong **233**, 263
Vuong, N.V., E.V. Raspopina, V.V. Scugar, N.M. Vladimirova, N.A. Yakovenko and I.A. Stepanova, Pinning centers in $YBa_2Cu_3O_{7-\delta}$ thick films prepared on Y_2BaCuO_5 substrates by the painting-on method **233**, 263

Wang, H.H., see J.A. Schlueter **233**, 379
Wang, R.-D., see X.-G. Wang **233**, 327

Wang, X.-G., P.-Y. Hu, Z.-M. Huang, R.-D. Wang and X.-H. Gao, Effect of F doping in the (Bi, Pb)–Sr–Ca–Cu–O system **233**, 327
Warden, M., see R. Cywinski **233**, 273
Welp, U., see J.A. Schlueter **233**, 379
Williams, J.M., see J.A. Schlueter **233**, 379
Wilson, J.A., Symmetry of the order parameter in the two-channel, two-subsystem, negative-U interpretation of high-temperature superconductivity **233**, 332
Wong-Ng, W. and R.S. Roth, Single-crystal structural investigation of BaO_2 **233**, 97
Wu, F., see X.J. Zhou **233**, 311
Wu, N.-L., H.-H. Zheng and K.-L. Tarn, Bitter pattern study of flux pinning in melt-grown $YBa_2Cu_3O_{7-x}$ **233**, 131
Wu, X.-J., see P. Laffez **233**, 373
Wylie, M.T., see R. Cywinski **233**, 273

Xi, X.X., see C.W. Schneider **233**, 77

Yacoby, E.R., see R. Prozorov **233**, 367
Yakovenko, N.A., see N.V. Vuong **233**, 263
Yakovets, U.P., see T.B. Doyle **233**, 253
Yamaguchi, T., see T. Nojima **233**, 107
Yamasaki, N., see H. Araki **233**, 242
Yamauchi, H., see R. Puźniak **233**, 21
Yamauchi, H., see S. Adachi **233**, 149
Yamauchi, H., see P. Laffez **233**, 373
Yamaya, K., see N. Momono **233**, 395
Yang, I.-S., see H.-G. Lee **233**, 35
Yao, Y.H., see X.J. Zhou **233**, 311
Yeshurun, Y., see R. Prozorov **233**, 367
Yin, B., see X.J. Zhou **233**, 311
Yoshino, K., see H. Araki **233**, 242
Yoshizaki, R., see A. Inoue **233**, 49
Yu, J.-J., see H.-G. Lee **233**, 35

Zakhidov, A.A., see H. Araki **233**, 242
Zannella, S., see F. Frangi **233**, 301
Zhang, Z.-H., see A. Naziripour **233**, 387
Zhao, Z.X., see J.Q. Li **233**, 40
Zhao, Z.X., see X.J. Zhou **233**, 311
Zheng, H.-H., see N.-L. Wu **233**, 131
Zhou, X.J., F. Wu, B. Yin, W. Liu, C. Dong, J.W. Li, W.J. Zhu, S.L. Jia, Y.H. Yao and Z.X. Zhao, Structure and superconductivity in the infinite-layer $Sr_{1-x}CuO_2$ system prepared under high pressure **233**, 311
Zhu, W.J., see X.J. Zhou **233**, 311

ELSEVIER

Physica C 233 (1994) 441–442

PHYSICA C

Analytic Subject Index to Volume 233

1/*f* noise 402

AC susceptibility 77, 165, 203, 263, 327, 379
Anisotropic superconductor 67, 179
Applications of high-T_c superconductors 301, 387

Ball milling 113
Band structure
–of $HgBa_2CuO_{4+\delta}$ 8
$BaSnO_3$ addition 155
BCS model 354
BEDT-TFF or ET 379
Bis(ethylenedithio)tetrathiafulvalene 379
Bitter pattern 131

C_{60} compounds 242
Carrier concentration 209
Coherence length 21
Combustion 281
Critical current density 155, 165, 179, 203, 253, 349
Critical state model 253

Defect structures 113, 321
Demagnetization effect 179
Density of states 124
D-wave superconductor 395

Electrical resistivity 61, 138, 143, 203, 209, 327, 349
Electronic structure 237
Electron–phonon coupling 102, 354
Energy gap 102
ESR 124, 242
Ettingshausen effect 409

Fluctuation effects 195
Flux dynamics 195, 423
Flux pinning 30, 67, 107, 131, 179, 185, 402

Gapless superconductor 395
Geometry effects 423
Grain alignment (texturing) 321
Grain dimension 301
Granular superconductivity 131
Granular superconductors 253

High-pressure effect 237, 311, 354
–in $HgBa_2CuO_{4+\delta}$ 8
High-pressure synthesis 143, 373
HREM 40

Intercalation 209, 247
Irreversibility line 30
Isotope effect 102

Josephson coupling 409

Langevin equation 195
Levitation force 301
Lower critical field 409
Lower critical field H_{c1} 21

Magnetic susceptibility 143
Magnetisation 273
Magnetization 55, 67, 165, 231, 367
Mechanical properties 113
Melt processing 155
Metal–insulator transition 124, 349
Metastable phases 113
Microwave absorption 30, 242
Mixed state 409
Modulated structures 40, 49
Multifilament superconductors 423
Muon spin rotation 138
Muon spin rotation 273

Nanobridges 185
Nanocrystalline solids 113
Negative U mechanism 332
Nernst effect 409
Neutron diffraction 85
Non-ohmic behaviour 107

Order parameter symmetry 332
Organic superconductors 379
Oxycarbonate superconductor
–of $(Cu_{0.5}C_{0.5})_2Ba_3Ca_2Cu_3O_{11}$ 143
Oxygen ordering 415
Oxygen stoichiometry 61, 97, 281, 327

Pair breaking 395
Penetration depth 21, 77, 185, 273, 367
Phase diagram 97, 292
Phase transitions 113
Phonon spectrum 35
Pinning centers
–in $YBa_2Cu_3O_{7-\delta}$ 263
Polarised neutrons 85

Raman scattering 35
Reversible magnetization 21

Specific heat 395
STM 49
Structural models 415
Structure
–of $BaCu_{2+x}$ 373
–of BaO_2 97
–of $Bi_2Sr_2CaCu_2O_{8+\delta}$ 49
–of $Bi_2Sr_2Ca_{n-1}Cu_nO_z$ 247
–of $HgBa_2Ca_2Cu_3O_{8+\delta}$ 231
–of $Sr_{1-x}CuO_2$ 311
–of $YBa_2Cu_3O_{6+\delta}$ 292
–of $YBa_2Cu_4O_8$ 149
–of $YSr_2Cu_{2.5}B_{0.5}O_y$ 40
Substitution effects 327
–in $(Hg,Mo)Sr_2(Ca,Y)_{n-1}Cu_nO_y$ and $HgSr_2(Ca,Y)(Ca,Y)_{n-1}(Cu,Re)_nO_y$ 1
–in $HgBa_2Ca_2Cu_3O_{8+\delta}$ 237
–in $La_{2-x}Sr_xCu_{1-y}Zn_yO_4$ 395
–in $YBa_2Cu_{2.9}M_{0.1}O_{7-\delta}$ 61
–in $YSr_2Cu_{2.5}B_{0.5}O_y$ 40
Synthesis
–of $Ba_{1-x}K_xBiO_3$ 361
–of $BaCu_{2+x}$ 373
–of BaO_2 97
–of $Bi_2Sr_2Ca_{n-1}Cu_nO_z$ 247

–of $(Hg,Mo)Sr_2(Ca,Y)_{n-1}Cu_nO_y$ and $HgSr_2(Ca,Y)(Ca,Y)_{n-1}(Cu,Re)_nO_y$ 1
–of $HgBa_2Ca_2Cu_3O_{8+\delta}$ 231
–of $Sr_{1-x}CuO_2$ 311
–of $Tl_2Ba_2Ca_1Cu_2O_x$ 387
–of $YBa_2Cu_3O_{6+\delta}$ 292
–of $YBa_2Cu_3O_{6+x}$ 281
–of $YBa_2Cu_4O_8$ 149
–of YBCO 155

Tetrakis(trifluoromethyl)argentate (III) anion 379
Thick films 263
Thin films 77, 107, 179, 185, 321, 361, 387, 402
Type-II superconductivity 409
Type II superconductors 55
Type-II superconductors 367

Upper critical field H_{c2} 21, 367

Van Hove singularities 8
Viscosity 185
Vortex dynamics 409
Vortex glass 107

Weak links 55, 253

X-ray absorption fine structure 415
X-ray diffraction 231

YBCO 301
YNi_2B_2C 138
$YNi_4BC_{0.2}$ 138

ELSEVIER

Physica C 233 (1994) 443

PHYSICA C

Materials Index to Volume 233

$Ba_{1-x}K_xBiO_3$
–synthesis 361
$BaCu_{2+x}$
–structure 373
–synthesis 373
BaO_2
–structure 97
–synthesis 97
$Bi_2Sr_2CaCu_2O_{8+\delta}$
–structure 49
$Bi_2Sr_2Ca_{n-1}Cu_nO_z$
–structure 247
–synthesis 247

$(Cu_{0.5}C_{0.5})_2Ba_3Ca_2Cu_3O_{11}$
–oxycarbonate superconductor 143

$(Hg,Mo)Sr_2(Ca,Y)_{n-1}Cu_nO_y$
–substitution effects 1
–synthesis 1
$HgBa_2Ca_2Cu_3O_{8+\delta}$
–structure 231
–substitution effects 237
–synthesis 231
$HgBa_2CuO_{4+\delta}$
–band structure 8
–high-pressure effect 8

$Sr_{1-x}CuO_2$
–structure 311
–synthesis 311

$Tl_2Ba_2Ca_1Cu_2O_x$
–synthesis 387

$YBa_2Cu_{2.9}M_{0.1}O_{7-\delta}$
–substitution effects 61
$YBa_2Cu_3O_{6+\delta}$
–structure 292
–synthesis 292
$YBa_2Cu_3O_{6+x}$
–synthesis 281
$YBa_2Cu_3O_{7-\delta}$
–pinning centers 263
$YBa_2Cu_4O_8$
–structure 149
–synthesis 149
$YSr_2Cu_{2.5}B_{0.5}O_y$
–structure 40
–substitution effects 40